



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Pre Patent Application of

SCHRODER ET AL.

Atty. Ref.: 839-1496

Serial No. 10/700,251

TC/A.U.: Unassigned

Filed: November 4, 2003

Examiner: Unassigned

For: SPRING MASS DAMPER SYSTEM FOR TURBINE  
SHROUDS

\* \* \* \* \*

March 10, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**SUBMISSION OF EXCLUSIVE SUBSTITUTE POWER OF ATTORNEY**

|Applicant submits herewith the executed Exclusive Substitute Power of Attorney  
for the above identified application.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

By: Richard Besha  
Richard G. Besha  
Reg. No. 22,770

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1100 North Glebe Road, 8th Floor  
Arlington, VA 22201-4714  
Telephone: (703) 816-4000  
Facsimile: (703) 816-4100



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Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**EXCLUSIVE SUBSTITUTE POWER OF ATTORNEY  
AND EXCLUSIVE PROSECUTION HEREAFTER BY  
ASSIGNEE UNDER 37 C.F.R. §§ 1.36, 3.71 AND 3.73**

The undersigned being the owner of all right, title and interest in the above-identified patent application, hereby revokes all previous powers of attorney in this case, if any, and hereby appoints the attorneys of **Customer Number 30024** individually and collectively its attorneys to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith, and with the resulting patent.

I also authorize Nixon & Vanderhye to act and rely solely on instructions communicated from the person, attorney, firm or other organization sending instructions to Nixon & Vanderhye on behalf of the owner.

**Certificate Under 37 C.F.R. §3.73(b)**

I hereby certify that General Electric Company of 1 River Road, Schenectady, NY 12345 is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventors to the aforesaid assignee, a copy of the assignment being attached.

I have reviewed the documents in the chain of title of the patent application identified above, and to the best of my knowledge and belief, title is in the aforesaid assignee for which I am empowered to act in this matter.

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

**GENERAL ELECTRIC COMPANY**

3/5/2004  
Date

By:

Name:  
Title:

Ernest G. Cusick  
Patent Counsel

ASSIGNMENT

In accordance with obligations entered into pursuant to an Employee Innovation and Proprietary Information Agreement or other agreement and/or for other good and valuable consideration of which we acknowledge receipt, we, MARK STEWART SCHRODER, RONALD RALPH CAIRO, CHRISTOPHER GRACE, TODD GARRETT WETZEL, KEVIN LEON BRUCE, ANDREW WILLIAM MILLER and RONALD PHILLIP NIMMER of 100 Bee Tree Way, Hendersonville, North Carolina 28739; 246 Woods Road, Greer, South Carolina 29650; 411 Winchester Place, Simpsonville, South Carolina 29680; 9 Riverdale Road, Niskayuna, New York 12309; 6 Whistler Drive, Greer, South Carolina 29651; 127 Owenwood Drive, Lincoln University, Pennsylvania 19352 and 2148 Morrow Avenue, Schenectady, New York 12309, hereby sell and assign to General Electric Company, a New York Corporation, having an address at 1 River Road, Schenectady, New York 12345, USA, (hereinafter referred to as "Company"), its successors and assigns our entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by us and described in the application for United States Patent currently entitled SPRING MASS DAMPER SYSTEM FOR TURBINE SHROUDS and 134179

signed as of even date,  
 signed as of \_\_\_\_\_, or  
 filed on \_\_\_\_\_ having Serial Number

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements resulting therefrom to said Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Company, we will communicate to said Company or its representatives or nominees any facts known to us respecting said inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries.

MARK STEWART SCHRODER10/10/03

Date

Witnessed by:

Name: John FilerDate: 10/10/2003

Signature of witness

John Filer

Printed name of witness

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Signature of witness

Printed name of witness

STATE OF \_\_\_\_\_)

ss):

COUNTY OF \_\_\_\_\_)

This \_\_\_\_\_ day of \_\_\_\_\_, 2003, before me personally came the above-named, MARK STEWART SCHRODER, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Notary Public

My Commission Expires: \_\_\_\_\_



RONALD RALPH CAIRO



Date

Witnessed by:

Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Signature of witness

Printed name of witness  
 Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Signature of witness

Printed name of witness

STATE OF South Carolina

ss):

COUNTY OF Greenville)

This 10<sup>th</sup> day of October, 2003, before me personally came the above-named, RONALD RALPH CAIRO, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.


 A handwritten signature of Evelyn Allen over a horizontal line.

Notary Public

My Commission Expires: 2005



CHRISTOPHER GRACE

10/15/03

Date

Witnessed by:

Name: John Greene Date: 10/15/03

Signature of witness

John Greene

Printed name of witness

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Signature of witness

Printed name of witness

STATE OF \_\_\_\_\_)

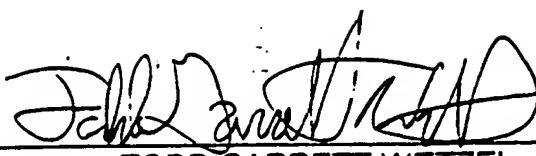
ss):

COUNTY OF \_\_\_\_\_)

This \_\_\_\_\_ day of \_\_\_\_\_, 2003, before me personally came the above-named, CHRISTOPHER GRACE, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_



TODD GARRETT WETZEL

10/3/03

Date

Witnessed by:

Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Signature of witness

Printed name of witness  
 Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Signature of witness

Printed name of witness

STATE OF New York  
 ss):  
 COUNTY OF Schenectady

This 31<sup>st</sup> day of October, 2003, before me personally came the above-named, TODD GARRETT WETZEL, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Susan M. Zampier  
 Notary Public  
 My Commission Expires: 11/11/06

SUSAN M. ZAMPIER  
 Notary Public in the State of New York  
 Qualified in Saratoga County  
 No. 012A5069047  
 My Commission Expires Nov 11, 2006

Kevin Bruce  
KEVIN LEON BRUCE

10/10/03  
Date

Witnessed by:

Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature of witness

Printed name of witness  
Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature of witness

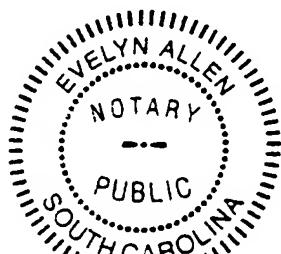
Printed name of witness

STATE OF South Carolina

ss):

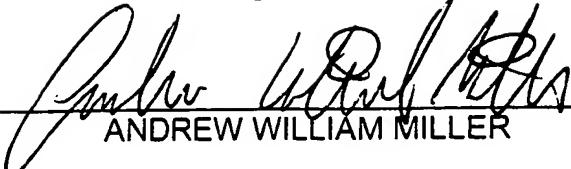
COUNTY OF Greenville)

This 10th day of October, 2003, before me personally came the above-named, KEVIN LEON BRUCE, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.



Evelyn Allen  
Notary Public

My Commission Expires: 2005

  
ANDREW WILLIAM MILLER

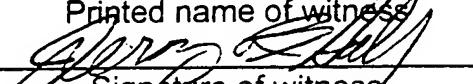
10/8/03  
Date

Witnessed by:

Name:   
Signature of witness

Date: 10/8/03

Printed name of witness

Name:   
Signature of witness

Date: 8 Oct 2003

Printed name of witness

STATE OF DE)

ss):

COUNTY OF New Castle

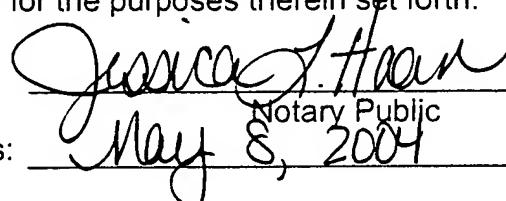
JESSICA L. HAAN  
NOTARY PUBLIC

STATE OF DELAWARE

My Commission Expires May 8, 2004

This 8<sup>th</sup> day of October, 2003, before me personally came the above-named, ANDREW WILLIAM MILLER, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

My Commission Expires:

  
Notary Public  
May 8, 2004

Ronald Phillip Nimmer  
RONALD PHILLIP NIMMER

10/31/03

Date

Witnessed by:

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Signature of witness

Printed name of witness

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Signature of witness

Printed name of witness

STATE OF New York

ss):

COUNTY OF Schenectady

This 31<sup>st</sup> day of October, 2003, before me personally came the above-named, RONALD PHILLIP NIMMER, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Susan M. Campier  
Notary Public

My Commission Expires: 11/11/06

SUSAN M. CAMPIER  
Notary Public in the State of New York  
Qualified in Schenectady County  
No. A1245069047  
My Commission Expires Nov 11 2006